

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2012 Levee Inspection Results****Reclamation District No. 0785 Driver**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

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SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2012 Levee Inspection Results

Reclamation District No. 0785 Driver

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	2.31
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/3/2012 - 4/20/2012			
DWR Inspector	John Williamson			
Accompanied By	Bill Mattos RD 785			
	Ross Peabody Peabody Engineering			
	Richard Yeung RD 785			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 0785 Driver

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River						Right	2.31	04/03/2012 04/20/2012	John Williamson
LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End					Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	LS Ma		°	°	10
DWR ID: DWR_RD0785_01_s_2012_10									
2			Earthen Levee	Emergency Supplies & Equipment	LS Ma	Inspector Comments: Supplies are stored at Elkhorn Firehouse	°	°	49
DWR ID: DWR_RD0785_01_s_2012_49									
3			Earthen Levee	Flood Preparedness & Training	LS Ma		°	°	50
DWR ID: DWR_RD0785_01_s_2012_50									
4	0.13	1.36	Earthen Levee	Trim / Thin Trees	LS Ma	T5 : Tree stumps.	38.660160 ° -121.611619 °	38.646214 ° -121.598596 °	4 Y
DWR ID: DWR_RD0785_01_s_2012_4									
5	0.29	0.29	Earthen Levee	Vegetation	LS A/W Ma	V4 : Elderberries are blocking visibility and flood fight capability.	38.658467 ° -121.609573 °	38.658467 ° -121.609573 °	1 Y
DWR ID: DWR_RD0785_01_s_2012_1									
6	0.41	0.45	Earthen Levee	Vegetation	LS A/W Ma	V4 : Elderberries are blocking visibility and flood fight capability.	38.657168 ° -121.608270 °	38.656697 ° -121.607845 °	2 Y
DWR ID: DWR_RD0785_01_s_2012_2									
7	0.68	0.68	Earthen Levee	Encroachments	LS Ma	PR : Prunings	38.653955 ° -121.605712 °	38.653955 ° -121.605712 °	46 Y
DWR ID: DWR_RD0785_01_s_2012_46									
8	0.75	0.75	Earthen Levee	Encroachments	LS Ma	TR : Tree or limb	38.653094 ° -121.605097 °	38.653094 ° -121.605097 °	3 Y
DWR ID: DWR_RD0785_01_s_2012_3									
9	0.85	0.94	Earthen Levee	Vegetation	LS A/W Ma	V4 : Elderberries are blocking visibility and flood fight capability.	38.651863 ° -121.604158 °	38.650777 ° -121.603182 °	5 Y
DWR ID: DWR_RD0785_01_s_2012_5									
10	0.93	0.93	Earthen Levee	Trim / Thin Trees	WS Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.650992 ° -121.603392 °	38.650992 ° -121.603392 °	47 Y
DWR ID: DWR_RD0785_01_s_2012_47									
11	1.08	1.08	Earthen Levee	Erosion / Bank Caving	LS Ma	E2 : Schedule repair of erosion site prior to the next inspection.	38.649292 ° -121.601647 °	38.649292 ° -121.601647 °	48 Y
DWR ID: DWR_RD0785_01_s_2012_48									
12	1.32	1.32	Earthen Levee	Vegetation	LS A/W Ma	V4 : Elderberries are blocking visibility and flood fight capability.	38.646712 ° -121.599095 °	38.646712 ° -121.599095 °	6 Y
DWR ID: DWR_RD0785_01_s_2012_6									
13	1.39	1.39	Earthen Levee	Encroachments	WS Ma	DE : Debris	38.646676 ° 38.646676 °	-121.598888 ° -121.598888 °	7 Y
DWR ID: DWR_RD0785_01_s_2012_7									
14	2.04	2.14	Earthen Levee	Vegetation	LS Ma	V6 : Landscaping Inspector Comments: Trees have been raised for visibility. Pine trees and oleander planted on shoulder.	38.641623 ° -121.588558 °	38.642005 ° -121.586993 °	8 Y
DWR ID: DWR_RD0785_01_s_2012_8									

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 0785 Driver

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	2.31	04/03/2012 04/20/2012	John Williamson

Levee Mile Report Line	4
Start Levee Mile	0.13
End Levee Mile	1.36
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
The trees were cut by PG&E'S tree contractor. The district will take care of the stumps in the future.	
johngw_s_20120313_310.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.29
End Levee Mile	0.29
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Elderberry	
johngw_s_20120313_306.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.41
End Levee Mile	0.45
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Elderberry	
johngw_s_20120313_307.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 0785 Driver

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	2.31	04/03/2012 04/20/2012	John Williamson

Levee Mile Report Line	7
Start Levee Mile	0.68
End Levee Mile	0.68
Location	Land Side
Category	Earthen Levee
Item	Encroachments
A pruning pile is on the landside of the levee slope, photo taken spring 2012	
johngw_s_20120409_624.jpg	



Levee Mile Report Line	10
Start Levee Mile	0.93
End Levee Mile	0.93
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
The fallen tree and brush on the waterside of the roadway needs to be removed. Photo taken spring 2012	
johngw_s_20120409_625.jpg	



Levee Mile Report Line	11
Start Levee Mile	1.08
End Levee Mile	1.08
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
The drain pipe across from the firehouse has caused erosion, photo taken spring 2012.	
johngw_s_20120409_626.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 0785 Driver

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	2.31	04/03/2012 04/20/2012	John Williamson

Levee Mile Report Line	12
Start Levee Mile	1.32
End Levee Mile	1.32
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This is a very large Elderberry bush

johngw_s_20120313_311.jpg



Levee Mile Report Line	13
Start Levee Mile	1.39
End Levee Mile	1.39
Location	Water Side
Category	Earthen Levee
Item	Encroachments

There is concrete debris and furniture that has been dropped off. Fall 2011

johngw_s_20120313_312.jpg



Levee Mile Report Line	14
Start Levee Mile	2.04
End Levee Mile	2.14
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Pines and oleanders along shoulder.

johngw_s_20120313_313.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2012 Levee Inspection Results

Reclamation District No. 0785 Driver

Waterway			Bank	Unit Miles
Unit No. 02 Yolo Bypass			Left	3.30
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/3/2012 - 4/20/2012			
DWR Inspector	John Williamson			
Accompanied By	William Mattos RD 785			
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 0785 Driver

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass							Left	3.30	04/03/2012 04/20/2012	John Williamson
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.11	0.11	Earthen Levee	Animal Control	LS	U Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.639670 ° -121.619460 °	38.639670 ° -121.619460 °	25 Y
								DWR ID: DWR_RD0785_02_s_2012_25		
2	0.24	0.24	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.637913 ° -121.618388 °	38.637913 ° -121.618388 °	26 Y
								DWR ID: DWR_RD0785_02_s_2012_26		
3	0.38	0.38	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.636065 ° -121.617295 °	38.636065 ° -121.617295 °	27 Y
								DWR ID: DWR_RD0785_02_s_2012_27		
4	0.46	0.46	Earthen Levee	Animal Control	LS	U Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.634978 ° -121.616612 °	38.634978 ° -121.616612 °	28 Y
								DWR ID: DWR_RD0785_02_s_2012_28		
5	0.52	0.52	Earthen Levee	Slope Stability	LS	M Ma	S1 : Repair slope instability.	38.634180 ° -121.616142 °	38.634180 ° -121.616142 °	29 Y
								DWR ID: DWR_RD0785_02_s_2012_29		
6	0.83	0.83	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.630157 ° -121.613842 °	38.630157 ° -121.613842 °	10 Y
								DWR ID: DWR_RD0785_02_s_2012_10		
7	0.98	0.98	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.628215 ° -121.613448 °	38.628215 ° -121.613448 °	11 Y
								DWR ID: DWR_RD0785_02_s_2012_11		
8	1.01	3.25	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C1 : Keep the crown roadway free of vegetation.	38.616313 ° -121.603465 °	38.600066 ° -121.590798 °	3 Y
								DWR ID: DWR_RD0785_02_s_2012_3		
9	1.50	1.50	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.621603 ° -121.607648 °	38.621603 ° -121.607648 °	12 Y
								DWR ID: DWR_RD0785_02_s_2012_12		
10	1.67	1.67	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.619492 ° -121.606132 °	38.619492 ° -121.606132 °	13 Y
								DWR ID: DWR_RD0785_02_s_2012_13		
11	1.84	3.30	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C1 : Keep the crown roadway free of vegetation.	38.617533 ° -121.604420 °	38.599211 ° -121.590293 °	31 Y
								DWR ID: DWR_RD0785_02_s_2012_31		
12	2.20	2.20	Earthen Levee	Slope Stability	LS	M Ma	S1 : Repair slope instability.	38.613063 ° -121.600908 °	38.613063 ° -121.600908 °	30 Y
								DWR ID: DWR_RD0785_02_s_2012_30		

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 0785 Driver

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	3.30	04/03/2012 04/20/2012	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.11
End Levee Mile	0.11
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent holes on the landside levee slope, photo taken spring 2012.

johngw_s_20120409_627.jpg



Levee Mile Report Line	3
Start Levee Mile	0.38
End Levee Mile	0.38
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent holes on the landside levee slope, photo taken spring 2012.

johngw_s_20120409_628.jpg



Levee Mile Report Line	4
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent holes on the landside levee slope, photo taken spring 2012.

johngw_s_20120409_629.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 0785 Driver

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	3.30	04/03/2012 04/20/2012	John Williamson

Levee Mile Report Line	4
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Many rodent holes with in 25' of each other, photo taken spring 2012.

johngw_s_20120409_630.jpg



Levee Mile Report Line	5
Start Levee Mile	0.52
End Levee Mile	0.52
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Buldge at the landside toe of the levee, photos taken spring 2012.

johngw_s_20120409_631.jpg



Levee Mile Report Line	5
Start Levee Mile	0.52
End Levee Mile	0.52
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Slope instability at shoulder of landside levee buldge at toe.

johngw_s_20120409_632.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 0785 Driver

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	3.30	04/03/2012 04/20/2012	John Williamson

Levee Mile Report Line	6
Start Levee Mile	0.83
End Levee Mile	0.83
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Tire ruts 6" deep need to grade and add base for all weather surface. Photo taken spring 2012.	
johngw_s_20120423_724.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.98
End Levee Mile	0.98
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Crown roadway needs vegetation control and base material. Photo taken spring 2012	
johngw_s_20120423_725.jpg	



Levee Mile Report Line	8
Start Levee Mile	1.01
End Levee Mile	3.25
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
The vegetation on the crown needs to be sprayed and graded.	
johngw_s_20120313_314.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 0785 Driver

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	3.30	04/03/2012 04/20/2012	John Williamson

Levee Mile Report Line	8
Start Levee Mile	1.01
End Levee Mile	3.25
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
The vegetation on the crown has improved but needs to be sprayed. Fall 2011	
johngw_s_20120313_315.jpg	



Levee Mile Report Line	9
Start Levee Mile	1.50
End Levee Mile	1.50
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
The crown of the levee with vegetation on the roadway. There is some depressions on the crown from vehicle use.	
johngw_s_20120313_316.jpg	



Levee Mile Report Line	10
Start Levee Mile	1.67
End Levee Mile	1.67
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
The crown needs to have gravel added to have an all weather surface.	
johngw_s_20120313_317.jpg	



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Levee Inspections**

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Reclamation District No. 0785 Driver

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	3.30	04/03/2012 04/20/2012	John Williamson

Levee Mile Report Line	11
Start Levee Mile	1.84
End Levee Mile	3.30
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Crown roadway needs vegetation control. Photo taken spring 2012.	
johngw_s_20120423_726.jpg	



Levee Mile Report Line	12
Start Levee Mile	2.20
End Levee Mile	2.20
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
There is slope instability with three step like spots. The cuts are 1' to 1.5' deep. Photo taken spring 2012.	
johngw_s_20120423_727.jpg	

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